

BOROUGH OF DENBIGH

WELSH BOARD OF HEALTH.
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Annual *Health Report*

1966

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BOROUGH OF DENBIGH
ANNUAL
HEALTH REPORT
1966

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To the Mayor, Aldermen and Councillors of the Borough of Denbigh

Mr. Mayor, Alderman and Councillors,

The Public Health Inspector and I have pleasure in presenting our report on the health of the Borough during the year 1966.

We wish to thank you, Mr. Mayor, the Chairmen of the various Committees, and members of the Council for the assistance we have received during the year. We also thank the officials and members of the staff for their ever ready assistance.

Mr. J. G. Morris is congratulated on obtaining a pass in the intermediate examination of the Public Health Inspectors Examination Board.

It is regretted that owing to pressure of work in the Health Department, caused by the increase in statutory and other duties, particularly the Meat Inspection Regulations, 1963, we again have to report difficulty in making progress in many important aspects of the work.

Yours faithfully,

M. JONES ROBERTS,

Medical Officer of Health.

THE MAYOR OF THE BOROUGH AND THE CHAIRMEN
OF THE VARIOUS COMMITTEES DURING THE YEAR
WERE AS FOLLOWS:

Mayor of the Borough:

Alderman Ivor Lloyd Watkins.

Chairman of the Public Health Committee:

Councillor G. D. Roberts.

Chairman of the Housing Committee:

Councillor E. Cunnah.

GENERAL STATISTICS OF THE BOROUGH

Area of the Borough	9.072 acres
Registrar General's estimated population (mid 1965)	8,420
Rateable Value	£228,840
Sum represented by a penny rate	£880

The estimated population of the Borough during the year was 8,420 compared with 8,410 during 1965.

Deaths

Comparability Factor	0.55
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	<i>England and Wales 1966</i>	<i>1965</i>	<i>1966</i>
Crude death rate (per 1,000 population) ...	11.7	20.33	19.24
Corrected death rate (per 1,000 population)	—	10.37	10.58
Still-birth rate (per 1,000 population)	—	0.47	.47
Still-birth rate (per 1,000 live and still-births)	15.4	30.3	30.1
Maternal mortality rate	0.26	Nil	Nil
Infant mortality rate per (1,000 live births)	19.0	23.44	15.5
Infant mortality rate per (1,000 legitimate live births)	—	24.2	16.6
Infant mortality rate (per 1,000 illegitimate live births)	—	Nil	Nil
Neo-natal mortality rate (per 1,000 live births) first 4 weeks	12.9	15.62	7.7
Early neo-natal mortality rate (deaths under 1 week per 1,000 total live births)	11.1	15.6	Nil
Peri-natal mortality rate (still-births and deaths under 1 week combined per 1,000 total live and still-births)	26.3	45.4	30.1

The following table shows the number of deaths which occurred during the year. The number of deaths which occurred in 1965 is shown in the first column for comparison.

CAUSE OF DEATH	1965 Sex	Total Und. & over 1966 4 wks. 1 yr.						
		1-	5-	15-	25-	35-	45-	55- 65-
Tuberculosis, Respiratory	M	1	—	—	—	—	—	1
Tuberculosis, Other	F	—	—	—	—	—	—	—
Syphilitic Disease	M	1	—	—	—	—	—	—
Other infective and Parasitic Diseases	M	—	—	—	—	—	—	—
Malignant Neoplasm, Stomach	F	6	—	—	—	—	1	1
Malignant Neoplasm, Lung, Bronchus	M	1	—	—	—	—	—	—
Malignant Neoplasm, Breast	F	3	—	—	—	—	—	—
Malignant Neoplasm, Uterus	F	1	—	—	—	—	—	—
Other Malignant and Lymphatic Neoplasms	M	6	—	—	—	—	—	—
Leukaemia, Aleumaemia	F	1	—	—	—	—	—	—
Diabetes	M	1	—	—	—	—	—	—
Vascular Lesions of Nervous System	F	13	—	—	—	—	—	—
Coronary Disease, Angina	M	20	—	—	—	—	—	—
Hypertension with Heart Disease	F	6	—	—	—	—	—	—
Other Heart Disease	M	1	—	—	—	—	—	—
Other Circulatory Disease	F	2	—	—	—	—	—	—

CAUSE OF DEATH	1965	Sex	Total Und. & 1966 4 under 1 yr.							75 & over
			all ages	1-5-	15-25-	35-45-	55-65-	75 & over		
Pneumonia	6	M	15	—	—	—	1	2	5	7
Bronchitis	7	F	9	—	—	—	1	—	2	5
Other Diseases of Respiratory System	4	M	5	—	—	—	—	—	3	2
Ulcer of Stomach and Duodenum	8	F	2	—	—	—	—	—	1	1
Gastritis, Enteritis and Diarrhoea	—	M	1	—	—	—	—	1	—	—
Nephritis and Nephrosis	—	F	1	—	—	—	—	—	—	—
Hyperlasia of Prostate	—	M	—	—	—	—	—	—	—	—
Congenital Malformations	—	F	—	—	—	—	—	—	—	—
Other Defined of Ill-defined Diseases	1	M	1	—	—	—	—	—	—	—
Motor Vehicle Accidents	3	M	2	—	—	—	1	—	1	1
All other Accidents	9	F	4	—	—	—	2	—	—	—
Suicide	—	M	—	—	—	—	—	—	—	—
	1	F	—	—	—	—	—	—	—	—
	2	M	6	—	—	—	1	—	1	1
	11	F	9	—	—	—	—	—	1	6
	1	M	1	—	—	—	—	—	—	1
	1	F	1	—	—	—	—	1	—	—
TOTAL ALL CAUSES	79	M	90	—	1	1	2	8	21	35
	92	F	72	1	1	1	—	6	14	43

There were 162 deaths during the year compared with 171 the previous year, giving a death rate of 10.58 compared with 10.37 in 1965 and 11.7 for England and Wales. Of these 113 occurred in persons aged 65 years and over.

Respiratory Tuberculosis was the cause of death in one case and syphilitic disease in one case. Ulcer of the stomach was the cause of one death and nephritis and nephrosis caused 2 deaths.

Cancer caused 27 deaths compared with 30 in 1965, 1 of these was due to cancer of the lungs compared with 3 the previous year.

There were 23 deaths due to vascular lesions of the nervous system.

Coronary disease and angina caused 26 deaths and 3 were due to hypertension with heart disease. Other heart diseases caused 13 deaths and there were 5 deaths from other circulatory diseases.

There were 24 deaths due to pneumonia and 7 due to bronchitis and other respiratory diseases caused 2 deaths.

There were no deaths due to motor vehicle accidents but 15 deaths were due to other accidents which occurred as follows:—

- (1) Hypostatic Pneumonia following fracture of the neck of the femur sustained in a fall to the floor. The patient was aged 79 years and was in hospital.

- (2) Pulmonary embolism following fracture of the pelvis sustained in a fall. The patient was aged 83 years and was in hospital.

- (3) Pulmonary embolism following a fracture of the femur sustained in a fall to the floor. The patient was 79 years of age and was in hospital.

- (4) Asphyxia due to inhalation of food in a patient of 50 years who was in hospital.

- (5) Myocardial degeneration due to generalised toxæmia due to infected fracture of the femur. The patient was aged 75 years and was in hospital.

- (6) Extra and sub-dural haemorrhage and contusion of the brain following a fractured skull sustained in a fall downstairs. The patient was aged 87 and was in hospital.

- (7) Cerebral and pulmonary fat embolism following fractured femur and tibia in a patient aged 20 years who had been admitted to hospital.

- (8) Asphyxia due to drowning while bathing. This tragic death occurred in a young boy of 11 years.

- (9) Acute heart failure due to drowning when the patient tripped and fell into a dock. He was 73 years of age.

- (10) Bronchopneumonia following fractured femur sustained in a fall to the floor. The patient was aged 77 years and was in hospital.

(11), (12) and (13) Death in these cases was due to carbon monoxide poisoning and asphyxia due to an outbreak of fire in a dwelling house. The children were aged 15, 12 and 8 years of age. These deaths were the most tragic that had occurred in the Borough due to accidents in the home.

(14) Toxaemia following fracture of the neck of the femur sustained in a fall to the floor. The patient was 83 years and was in hospital.

(15) Hypostatic pneumonia due to fracture of the femur sustained in a fall to the floor. The patient was aged 73 and was in hospital.

Other defined and ill defined diseases caused death in 6 cases and there were 2 suicidal deaths.

Still-Birth Rate

The Still-Birth Rate (per 1,000 live and still-births) was 30.1 compared with 30.3 the previous years and compared with 15.4 for England and Wales. The actual number of still-births was four compared with 4 in 1965. The cause of these still-births was as follows:

1. In a male child at the 36th week of pregnancy and was due to placental insufficiency.
2. In a male child at the 38th week of pregnancy and was due to intra uterine concealed haemorrhage.
3. In a female child at the 32nd week of pregnancy and the baby was anacephalic.
4. In a female child at the 34th week of pregnancy, cause unknown.

All these were followed up by the Health Visitors who report that death was unavoidable in each case.

Infant Death

The Infant Mortality Rate was 15.5 compared with 23.4 in 1965 and 19.0 for England and Wales.

The actual number of deaths was 2 compared with 3 the previous year. One death occurred in a female infant aged 4 months and was due to acute bronchiolitis and occurred in hospital. Death in this case may have been preventable.

One death occurred in a female infant, aged 2 weeks and was due to meningitis and meningocele. The child was admitted to hospital. Death in this case was unavoidable.

Maternal Mortality

There were no maternal deaths, giving a Maternal Mortality Rate of Nil compared to Nil in 1965 and 0.26 for England and Wales.

Births

Comparability Factor	1.14
Actual number of births registered	153
(67 boys, 86 girls)	
Number of births relating to residents	131

Expectant mothers from the surrounding districts come to the Denbigh Infirmary for their confinement and some are admitted to St. Asaph Maternity Hospital Unit. This is the reason that more births are registered in the area than relate to residents.

The births were classified as follows:—

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate	60	63	123
Illegitimate	3	5	8
	63	68	131

	<i>England and Wales</i>		
	1966	1965	1966
Crude birth rate (per 1,000 population) ...	17.7	15.22	15.32
Corrected birth rate (per 1,000 population)	—	17.35	17.46
Illegitimate live births per cent. of total live births	—	3.1	6.2

INFECTIOUS DISEASES

The following table shows the number of cases of infectious diseases notified during 1966 arranged in the various age groups. The number of cases notified in 1965 is given in the first column for comparison.

NOTIFIABLE DISEASES

	Total 1965	Total 1966	Under 1 year	1-5 years	6-15 years	16-25 years	26-45 years	46-65 years	age unknown
Measles	106	28	—	20	6	1	—	—	1
Dysentery	13	1	—	—	1	—	—	—	—
Whooping Cough	1	2	—	2	—	—	—	—	—
Pulmonary T.B.	5	3	—	—	—	—	—	3	—
Non-Pulmonary T.B.	1	—	—	—	—	—	—	—	—
Puerperal Pyrexia	1	—	—	—	—	—	—	—	—
Erysipelas	1	4	—	—	1	—	1	2	—
Meningitis	—	1	—	—	—	1	—	—	—
Scarlet Fever	—	1	—	1	—	—	—	—	—
TOTALS	128	40	—	23	8	2	1	5	1

The total number of cases notified was 40 compared to 128 in 1965.

Measles accounted for 28 cases compared with 106 in 1965.

There was one case of dysentery which was connected with the 13 notified in the previous year.

There were two cases of whooping cough compared with one the previous year.

There were four cases of erysipelas compared with one in 1965 and one case of scarlet fever.

A case of meningitis occurred in a patient who was admitted to hospital. No further cases were notified.

Anthrax

There were no cases of Anthrax notified.

Tuberculosis

Three cases of tuberculosis (pulmonary) were notified compared with five in 1965, all occurring at the North Wales Hospital. Ten cases of pulmonary and two cases of non-pulmonary tuberculosis were cured and the names removed from the register. Five pulmonary cases died and eleven were removed from the register due to the patients moving to other areas.

The following table shows the number of cases on the Borough register at the beginning and at the end of 1966.

	<i>Pulmonary</i>		<i>Non-Pulmonary</i>		
	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>	<i>Total</i>
Number on Register on 1st January, 1966 ...	53	23	1	5	82
Number on Register on 31st December, 1966	36	17	1	3	57

PREVENTION OF INFECTIOUS DISEASES

Diphtheria, Whooping Cough and Tetanus

Injections to protect against these three are given together and referred to as the "Triple" injections. Three doses are given at monthly intervals from the age of three months. A booster is given at the age of 18 months followed by boosters against diphtheria and tetanus at school entry and at the age of 10 years.

Number of children immunised during 1966 were:—

	<i>Primary</i>	<i>Booster</i>
Diphtheria	129	267
Whooping Cough ...	122	126
Tetanus	128	173

Poliomyelitis

Oral vaccine (Sabin) is used in all County Clinics. Three doses of 3 drops on a lump of sugar or in syrup are given from the age of 6 months and a booster dose is given at the age of 5 years.

Number of children vaccinated during 1966:—

	<i>Primary</i>	<i>Booster</i>
Sabin vaccine	54	65
Salk vaccine	17	16

Smallpox

Primary vaccination is carried out in the County Clinics between the ages of 1 and 2 years.

Number of children vaccinated during 1966:—

Primary	54
Revaccination	84

The increased number of revaccinations were amongst those going abroad and several of these were school children who went on a school cruise in October.

Tuberculosis

Senior schools are visited and the children tested against tuberculosis and those found to be negative are given B.C.G. vaccination. Those found to be positive are further examined by the Mass Radiography Unit and all the family are encouraged to attend in case a member is found to be suffering from tuberculosis and has infected the child.

All contacts to cases of tuberculosis are followed up and children are given protection against tuberculosis from a very young age.

Care of the Aged

No cases of persons in need of care and attention and not giving themselves the necessary care and attention were brought to my notice during the year. Therefore it was not necessary for the Council to take action under Section 47 of the National Assistance Act.

Meals on Wheels

A Meals on Wheels service run by the Womens Royal Voluntary Service has been in existence in the Borough for 20 years and was originally started by Dr. Lewis, who was the Medical Officer of Health. Meals are provided twice a week for the elderly citizens and the number provided is approximately 40 meals a day, or 80 meals a week. The cooking is carried out by the members in premises provided by the Local Authority, so that the money goes much further this way. The meals are taken round in safari thermos jars which keep the food hot. The recipients pay 1/- for the meals and referrals are usually made by the doctors, nurses and health visitors. The list includes quite a number of men who live alone. They all enjoy the meals and look forward to the visit as a social occasion. Several organisations in the Borough help with money gifts towards the scheme.

Darby and Joan Club

An excellent Darby and Joan Club exists in the Borough and there are several organisations in the town taking interest in our older citizens, especially at Christmas time.

FOOD AND DRUGS ACT

The number of food premises in the area comprise the following businesses etc:—

Food Shops	64
Bakehouses	5
Public Houses	12
Hotels (with restaurant)	5
Licenced Clubs	5
School Canteens	6
Factory Canteens	4
Food manufacturing premises	3
Slaughterhouses	4
Cafes	7

The major food shops and cafes were inspected at least once during the year. Number of visits made: 34. When last inspected all food premises were found to comply with the Regulations 16 and 19 of the Food Hygiene Regulations 1960.

The following unsound food was surrendered.

Meat at slaughterhouses	not recorded
Meat at retail shops	38 lbs.
Cooked meat and meat products including canned meat	1 cwt. 32 lbs.
Fish	1 cwt. $\frac{1}{4}$ lb.
Fruit and Vegetables	100 lbs.
Other Foods	1 cwt. 41 lbs.

Food Sampling

This is carried out by the Chief Inspector of Weights and Measures for Denbighshire County Council, which is the Food and Drug Authority.

We thank Mr. D. Hugh Owens for permission to include the following report.

<i>Article</i>	<i>No. Taken</i>	<i>Genuine</i>	<i>Not Genuine, or Sub-standard</i>
Milk	11	11	—
Lard	1	1	—
Tinned Vegetables	1	1	—
Meat Pie	1	1	—
Cooked Meat	1	1	—
Sausages	1	1	—
Pickled Onions	1	1	—
Dried Fruit	1	1	—
Buttermilk	1	1	—
Evaporated Milk	1	1	—
Marmalade	1	1	—
Ice Cream	1	1	—
Ice Lollies	1	1	—
Christmas Pudding	1	1	—
TOTALS	24	24	—

In addition to the usual tests for quality, ten of the samples of milk submitted were examined for the presence of antibiotics with a negative result in each case. All the samples were certified by the Public Analyst to be genuine and free from all prohibited preservatives and colouring matter.

MILK SUPPLIES

Brucella

No human cases were notified but routine testing of milk by the County Public Health Inspector revealed that samples were positive for brucellosis. Individual samples from all cows in the herds were taken and notices had to be served under Section 20 of the Milk and Dairies Regulations requiring the milk from two cows to be pasteurised. The herds are still under supervision and milk samples retailed in the town now have been negative.

SALE OF ICE-CREAM

No. of premises registered for the sale of pre-packed ice-cream	33
No. of samples of ice-cream taken during the year ...	6
Results of ice cream samples ... Grade ...	1 2 3 4
	5 1 — —

WATER SUPPLIES

The following water samples were sent for bacteriological examination:—

	<i>No. of Samples</i>	<i>Satisfactory</i>	<i>Not Satisfactory</i>
Denbigh Town Supply	14	14	—
Henllan Village	8	6	2
County Council Small Holdings ...	3	0	3
N.W. Counties Mental Hospital Supply untreated to properties along supply main	3	0	3
Private Supplies and wells	2	2	0

No. of inspections made in connection with water supplies ... 37

On April 1st, 1965, the West Flintshire and West Denbighshire Joint Water Board assumed control of all water supplies in the area other than the North Wales Counties Mental Hospital supply from Bryn Brân. As indicated on previous page, this water is

supplied untreated to a number of properties along the water main from the reservoir to the treatment works.

The Water Board undertook a scheme during the year to provide additional pumping capacity to the high level tank in the castle with consequent improvement of the supply to highlevel areas of the town.

Henllan water undertaking now uses original reservoir water supplemented by a bulk supply from the Aled R.D.C. mains.

The Water Board has taken over the preparation of schemes to bring an adequate supply of water to certain rural parts of the area. The areas concerned comprise (a) the Glyn and Bryn y Gwynt including Ystrad Road which can be supplied from Ruthin R.D.C. mains; (b) The farms at present supplied by the County Council Small Holdings Supply, which could be better supplied from an extension of the Henllan Water Supply, and (c) properties in the north east of the Borough which also require an improved supply.

SWIMMING POOL

The swimming pool situated at Brondyffryn was again well patronised by local residents, children and visitors. It is gratifying to record that the schools now provide their pupils with the opportunity of attending the pool for swimming instructions.

Brondyffryn Swimming Pool is operated by the Council and is provided with efficient continuous filtration, and chlorination equipment.

No. of samples taken: 5 Satisfactory: 5

REFUSE COLLECTION AND DISPOSAL

Refuse is collected weekly from dwellings and business premises. approximately 2,500 premises are served. Waste paper, cardboard. ferrous and non ferrous metals are salvaged and sold by the Council.

The refuse is taken to Meifod Tip at Henllan for disposal by controlled tipping in a disused quarry which has served the Borough as a tip since 1932. The life of the quarry for future tipping is estimated not more than five years and failure to find a comparable tip in the area has continued to concern the Council. The question of pulverisation of the refuse is under consideration.

The successful trial of the paper sack system last year has been followed during 1966 by the introduction of paper sacks throughout the whole area. It is hoped to complete the scheme by the end of the financial year.

SALVAGE

Salvage collected and sales—Weight and value.

<i>Fibreboard</i>	<i>Mixed Paper</i>	<i>Paper</i>	<i>Total</i>
Weight: 70 tons. 13 cwts.	Weight: 22 tons. 18 cwts.	Weight: 14 tons. 18 cwts.	Weight: 108 tons. 9 cwts.
Value: £723/15/7d.	Value: £200/16/4d.	Value: £134/6/6d.	Value: £1,058/18/5d.

Table showing cost of Refuse Collection and Disposal, 1965-1966. Cost of service.

1965-1966	£11,054
Less income from salvage	£1,437
Nett cost of collection and disposal	£9,617

Population	8,420
Area	9,073 acres
Persons per acre	0.9
No. of vehicles	2
No. of men employed	9
Average haul to tip	3 miles
Nett cost of service	£9,617
Cost per 1,000 population	£1,165
Estimated tons per annum	3,380
Estimated cost per ton	£2/16/9

Record of nett annual cost:—

1960-61	£4,922	3s.	8d.
1961-62	£4,612	9s.	3d.
1962-63	£5,520	16s.	6d.
1963-64	£6,245	1s.	2d.
1964-65	£9,903	0s.	0d.
1965-66	£9,617	0s.	0d.

HOUSING AND SLUM CLEARANCE

Little progress has been made in the Slum Clearance programme. When new houses become available for re-housing it is hoped that further progress can be reported.

No. of houses repaired	13
No. of houses closed	5
No. of vacated houses demolished	5
No. of visits made in connection with Slum Clearance	81
No. of visits made re repairs to houses	26

The Councils Housing List and Points Scheme (revised 1964) continue to operate. All applicants are visited by the Public Health Inspector and a full investigation of the housing needs and circumstances of each applicant is made before points are awarded. The information gained and the points allocated are reported to the Housing Committee which lets the houses.

Inspections of Council Houses	83
Inspections re Housing Applicants	106

IMPROVEMENT GRANTS

Due to the pressure of other duties and staffing difficulties no progress has been made in effecting a survey to determine Improvement Areas under the provisions of the Housing Act. 1964.

Particulars of Improvement Grants

No. of visits to premises made in connection with Improvement Grants	88
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STANDARD GRANTS

Number of applications received during year:—

(a) Owner occupied	5	Approved	5
(b) Tenanted	3	Approved	3
	<hr/>		<hr/>
Total	8	Total	8
	<hr/>		<hr/>

Number of Standard Grants paid 4 owner occupied

Amount paid in Standard Grants	£620	0	0
Average grant per house	£155	0	0

Amenities Provided

(1) Fixed Baths	4
(2) Showers	None
(3) Wash Hand Basins	4
(4) Hot Water Supplies	4
(5) W.C's within dwellings	4
(6) Food Stores	4

DISCRETIONARY GRANTS

No. of applications received	6
No. of applications approved	6
No. of dwellings improved	10
(a) Owner occupied	8
(b) Tenanted	2

Amount paid in Discretionary Grants	£3,001	11	0
Average grant per house	£300	3	1

RODENT CONTROL

<i>Properties other than sewers</i>	<i>Type of Property</i>	
	<i>Non-Agricultural</i>	<i>Agricultural</i>
(1) Number of properties in district	2,769	85
(2) Total number of properties inspected:		
(a) following notification	9	—
(b) Number infested by:		
(1) Rats	8	—
(2) Mice	1	—
(3) Total number of properties inspected:		
(a) for rats and/or mice for reasons other than notification	242	2
(b) Number infested by:		
(1) Rats	42	2
(2) Mice	19	—
(4) <i>Sewers:</i>		
Were any sewers infested by rats during the year	Yes	

The work noted in the report has mainly been carried out after the appointment of a part-time rodent operative who commenced work in the month of September. Previous to this appointment only council property had received rodent destruction treatments.

RAINFALL CHART

We would like to thank Mr. Frost, Secretary, North Wales Hospital, for the following report.

Diameter of funnel of gauge: 4 ins.; height to top of gauge above ground: 1 ft.; height of ground above sea level: 316 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1.	0.05	0.01	0.13	1.31	—	—	—	—	0.06	0.19	0.07	1.00
2.	0.12	—	0.07	0.17	—	—	—	0.02	0.10	0.40	—	0.00
3.	—	0.03	0.02	—	—	—	0.22	0.01	0.21	1.05	—	0.00
4.	0.01	0.12	0.01	—	0.15	0.01	0.01	0.10	0.12	0.30	0.26	0.00
5.	0.07	0.01	—	0.21	0.18	—	0.54	—	—	0.04	0.42	0.00
6.	—	—	—	0.05	0.23	—	0.06	0.13	—	0.01	0.08	0.00
7.	—	0.19	—	0.05	0.07	—	—	—	—	—	0.04	0.00
8.	—	0.15	0.05	0.03	0.18	—	—	0.04	—	—	0.05	0.00
9.	—	0.05	—	0.05	—	0.04	—	0.13	—	—	0.08	1.00
10.	—	0.08	0.15	0.79	0.04	0.02	0.47	0.18	—	0.04	0.20	0.00
11.	—	—	—	—	0.07	0.53	—	0.27	0.14	—	0.08	0.00
12.	—	—	0.10	—	0.13	0.03	—	0.79	0.54	0.12	0.04	0.00
13.	—	—	0.07	—	—	0.18	0.25	0.33	—	0.05	0.16	0.00
14.	0.06	0.02	—	0.05	—	0.01	0.03	0.03	0.67	0.07	0.07	0.00
15.	—	0.04	—	0.07	—	—	0.32	—	0.05	0.57	0.25	0.00
16.	0.02	—	—	0.15	—	0.01	—	—	0.03	—	0.19	1.00
17.	—	—	0.03	—	0.16	0.41	0.01	—	—	0.09	—	0.00
18.	—	0.25	—	0.07	0.06	—	—	—	—	0.30	—	0.00
19.	—	0.09	—	0.48	0.21	0.04	—	—	—	0.12	—	0.00
20.	—	0.03	—	1.03	0.06	—	—	0.22	—	—	—	0.00
21.	—	0.22	0.02	0.11	0.04	0.02	—	0.14	—	0.07	—	0.00
22.	0.07	0.11	—	0.07	0.39	0.20	—	—	—	0.31	—	0.00
23.	—	—	0.30	0.11	—	0.05	0.08	—	—	0.18	—	0.00
24.	0.03	0.43	0.29	0.02	0.04	0.29	0.10	—	—	—	—	0.00
25.	0.10	0.31	0.02	—	0.02	0.01	0.11	—	—	0.05	0.10	0.00
26.	0.06	0.18	0.35	0.13	—	0.59	0.08	—	—	0.39	0.02	0.00
27.	0.09	0.01	0.08	0.01	—	0.05	—	0.02	—	—	0.26	0.00
28.	—	—	0.22	—	—	—	0.33	—	—	—	0.52	0.00
29.	—	x	0.03	—	—	—	0.03	0.07	—	—	0.29	0.00
30.	0.01	x	0.03	—	—	—	0.26	0.02	0.10	—	0.53	0.00
31.	—	x	0.16	x	—	x	0.49	—	x	0.28	x	0.00
TOTAL	0.69	2.33	2.13	4.68	2.03	2.49	3.39	2.68	2.02	3.63	3.71	4.00
Days with .01 or more	12	19	19	20	16	17	17	16	10	20	20	
.04 or more	8	13	12	17	15	10	13	12	9	19	19	

Years Total ... 34.45

Total No. of days with .01 or more ... 210

Total No. of days with .04 or more ... 168

Tr. = Trace

SLAUGHTER OF ANIMALS

Meat Inspection

The Borough has four private slaughterhouses. Three are situated in the town area and the fourth is three miles distant at Henllan.

Meat killed in the Borough is distributed throughout North Wales, Birkenhead and Liverpool.

The following table shows the numbers of animals killed in Denbigh since the slaughterhouses were re-opened in 1954.

<i>Year</i>	<i>Cattle</i>	<i>Calves</i>	<i>Pigs</i>	<i>Sheep</i>
1954 (July onwards)	359	124	826	4,199
1955	808	449	1,701	6,493
1956	869	425	1,784	8,122
1957	1,490	324	2,083	13,490
1958	1,738	349	3,008	13,798
1959	1,257	149	2,257	11,593
1960	929	91	1,842	22,341
1961	1,353	228	1,844	24,794
1962	1,313	336	2,035	19,728
1963	1,481	276	2,170	12,842
1964	1,645	114	1,905	10,418
1965	1,880	214	2,774	10,394

STATISTICS RELATING TO ANIMALS SLAUGHTERED DURING 1966

	<i>Cattle</i>	<i>Calves</i>	<i>Pigs</i>	<i>Sheep</i>
No. killed	2,025	159	3,384	13,451
No. inspected	2,025	159	3,384	13,451
<i>All diseases except Tuberculosis and cysticerci</i>				
Whole carcasses condemned	18	16	36	368
Carcases of which some part or organ was condemned		not recorded		
<i>Tuberculosis</i>				
Whole carcasses condemned	—	—	—	—
Carcases of which some part or organ was condemned	1	—	72	—
<i>Cysticerci</i>				
Carcases of which some part or organ was condemned	—	—	—	—
Carcases submitted to refrigeration	8	—	—	—
Generalised and totally condemned	—	—	—	—

1,226 visits were made at slaughterhouses for the purpose of meat inspection.

TABLE OF ANIMALS KILLED AT EACH SLAUGHTERHOUSE

	<i>Cattle</i>	<i>Calves</i>	<i>Pigs</i>	<i>Sheep</i>
Bod Idris Beef, Henllan ...	1,391	159	1,413	5,721
120 Vale Street	409	—	1,835	5,433
92 Vale Street	126	—	136	1,200
Barkers Lane	99	—	—	1,097

HOURS OF REGULAR SLAUGHTERING

	<i>Henllan</i>	<i>120 Vale Street</i>	<i>92 Vale Street</i>	<i>Barkers Lane</i>
Sunday	8 a.m.-1.00 p.m.	8 a.m.-3 p.m.	—	9 a.m.-1 p.m.
Monday	8 a.m.-5.30 p.m.	11 a.m.-7 p.m.	8 a.m.-3 p.m.	4 a.m.-7 p.m.
Tuesday	8 a.m.-5.30 p.m.	10 a.m.-7 p.m.	1 p.m.-7 p.m.	—
Wednesday	8 a.m.-5.30 p.m.	8 a.m.-7 p.m.	—	—
Thursday	8 a.m.-5.30 p.m.	—	—	—
Friday	8 a.m.-5.30 p.m.	—	6 p.m.-8 p.m.	—
Saturday	8 a.m.12 noon	—	—	—

At all other times 24 hours notice of slaughter is given. In practice it has been found that slaughtering tends to start and finish later than the times stated.

The services of the Veterinary Surgeon to inspect the meat on alternate Sundays, on evenings when the Inspector is attending committee meetings and during holiday periods is very much appreciated.

The Council make the following charges for meat inspected.

Cattle	2/6d. per head
Calves	9d. per head
Pigs	9d. per head
Sheep	6d. per head

THE OFFICES, SHOPS AND RAILWAY PREMISES ACT 1963

Registrations

<i>Registrations</i>	<i>No. registered 1966</i>	<i>Total registered</i>	<i>Inspections</i>
Offices	4	28	5
Retail Shops	6	70	8
Wholesale shops and ware- houses, etc.	0	2	2
Catering Establishments ...	1	10	10
Fuel Storage Depots	0	3	0
	11	113	25

ANALYSIS OF PERSONS EMPLOYED IN REGISTERED PREMISES

<i>Workplace</i>	<i>No. employed</i>
Offices	163
Retail Shops	307
Wholesale Departments	10
Catering Premises	39
Canteens	5
Fuel Storage depots	8
Total males	231
Total females	301
No. of accidents reported	1
No. of exemptions	Nil
No. of prosecutions	Nil

It is regretted that during the year owing to pressure of other duties only 25 visits were made to premises for the purpose of this Act. The visits were made mainly to premises at which it was proposed to carry out alterations to the structure or at which the establishment of a new business was proposed.

SUMMARY OF INSPECTIONS MADE BY THE PUBLIC HEALTH INSPECTOR

January—December, 1966

Investigation of water supplies	37
Examination and testing of new and existing drains ...	127
Investigations of nuisances	69
Supervision of Refuse Collection and Disposal	436
Infectious Diseases enquiries and disinfection	9
Disinfection of verminous premises	3
Inspections in connection with Improvement Grants ...	88
Enquiries re Housing Applicants	106
Inspection re Slum Clearance	83
Housing Repairs—Inspections	26
Inspection of Council Houses	83
Visits to slaughter houses	1,226
Visits to food premises	34
Inspection of factories	6
Investigation of Rodent Infestations	63
Inspection in connection with Shops Acts 1950	2
Inspection re Offices, Shops and Railway Premises Act	25
Noise Abatement	1
National Assistance Act visits	0
Caravan Sites Act	0
Inspection of petrol stores	25
Smoke observations	0
Abandoned vehicles	1

Sewerage and Sewage Disposal

The Borough District is served by three sewerage systems and sewage treatment and disposal works and a brief comment on each is given below by Mr. R. G. Hughes, the Borough Surveyor.

(i) SEWAGE TREATMENT AND DISPOSAL WORKS AT EGLWYSWEN

Statistics for year ending 31st December, 1966

Total quantity of crude sewerage treated ...	203,980,000 gallons
Average quantity treated per 24 hours	550,885 gallons
No. of sample of final effluent forwarded to Public Analyst	4
Ditto taken by Dee & Clwyd River Board ...	2
No. of samples of final effluent of satisfactory standard	6

The annual rainfall at the Works was recorded as 31.19 inches

The Consultant Engineers, Messrs. W. H. Radford & Son, Nottingham, completed the preparation of the scheme to enlarge the Works and tenders were invited for the work on 29th November, 1966. The Scheme comprises the provision of 2 No. Sedimentation Tanks to increase existing capacity by 50%, 2 No. Stormwater Tanks to double the existing capacity, 2 No. Humus Tanks to double existing capacity, 5 No. Sludge Drying Beds to increase existing capacity by 50% and installation of mechanically raked screen. The extended works will be capable of dealing with a Dry Weather Flow of 635,000 gallons per day as compared with the existing capacity of 300,000 gallons per day.

(ii) SEWAGE TREATMENT AND DISPOSAL WORKS AT HENLLAN

Statistics for year ending 31st December, 1966

No. of samples of final effluent forwarded to Public Analyst	4
Ditto taken by Dee & Clwyd River Board ...	2
No. of samples of final effluent of satisfactory standard	3

The deterioration in the standard of the final effluent caused concern during the latter part of the year and whilst improved methods of general maintenance gave satisfactory results the Borough Council also approved the preparation of a scheme to extend the Works. The scheme comprises the provision of 1 No. Humus Tank and 2 No. Sludge Drying Beds to double the capacity of these sections of the Works.

(iii) SEWAGE TREATMENT AND DISPOSAL WORKS AT THE GREEN

The small sewage treatment plant operating on the principle of settlement and surface irrigation functioned satisfactory during the year.

Whilst it is intended to discontinue this Works sometime in the future and to integrate the sewerage system into the main town system no steps were taken to further the proposal during the year.

FACTORIES ACT, 1961

Prescribed Particulars on the Administration of the Factories Act, 1961

PART 1 OF THE ACT

1—INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors)

<i>Premises</i> (1)	<i>Number on Register</i> (2)	<i>Inspection</i> (3)	<i>Number of Written Notices prosecuted</i> (4)	<i>Occupiers</i> (5)
(i) Factories in which Sections 1, 2, 3, 4 & 6 are to be enforced by the Local Authorities	3	3	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	40	11	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	7	7	—	—
TOTAL	50	21	None	None

2—Cases in which DEFECTS were found: NONE. (If defects are discovered at the premises on two, three or more separate occasions they should be reckoned as two, three or more “cases”).

Particulars	Number of cases in which defects were found		Number of cases in which prosecu- tions were instituted		
	Found	Remedied	Referred To H.M. Inspector	By H.M. Inspector	
(1)	(2)	(3)	(4)	(5)	(6)
Want of cleanliness (S.1) ...					
Overcrowding (S.2)					
Unseasonable temperature (S.3)					
Inadequate ventilation (S.4)					
Ineffective drainage of floors (S.6)					
Sanitary Conveniences (S.7)					
(a) Insufficient					
(b) Unsuitable or defec- tive					
(c) Not separate for sexes					
Other offences against the Act (not including offences relating to Out- work)					
TOTAL					

— NONE —

PART VIII OF THE ACT—Outwork—(Sections 133 and 134)

NIL Return.

PROVISION OF HEALTH SERVICE IN THE AREA

Laboratory Service

The Public Health Laboratory at Conway carries out bacteriological examinations of water, food, etc., to detect any contamination. Milk is also examined bacteriologically and biologically for the presence of tubercle bacilli and brucella abortus.

Examination of throat swabs, blood, faeces, etc., are carried out to detect the presence of bacteria and viruses at Conway and at Rhyl hospital.

Ambulance Service

The following is given for the information of the Council, and the numbers refer to cases conveyed by the various ambulances and the mileage covered during the year.

	<i>Denbigh/ Ruthin</i>	<i>Llanrwst</i>	<i>Llangernyw</i>	<i>Cerrig</i>	<i>Totals</i>
Number of cases conveyed by ambulance	12,916	66	2,358	73	15,413
Total Miles travelled	133,439	2,105	22,847	3,555	161,946
Number of ambulances per station	6	1	1	1	9
Whether manned by voluntary or full-time personnel ...	Full-time	Vol.	Full-time and Vol.	Vol.	

sitting case Cars:—

<i>Number of journeys</i>	<i>Number of cases</i>	<i>Total mileage</i>
1,943	6,047	75,691

Mental Health Service

The service is under the supervision of the County Medical Officer of Health. The Mental Welfare Officer for the area is Mr. Michael Watson, who may be contacted at the County Council Clinic, Mount Street, Ruthin. Telephone number: Ruthin 2361.

Orthopaedic Clinics

This clinic is held at the Clinic, Middle Lane, Denbigh, on the first and third Wednesday morning in each month. Surgeons from the Gobowen Orthopaedic Hospital attend on the third Wednesday in each month.

Patients from the Borough also attend Orthopaedic Clinics held weekly at Rhyl Hospital.

Venereal Diseases Clinics

These clinics are held at H.M. Stanley Hospital, St. Asaph, on Tuesdays between 4.30 and 6.30 p.m. and at the War Memorial Hospital, Wrexham, on Mondays between 5 and 7 p.m. (males) and Wednesdays between 5 and 7 p.m. (females).

School Ophthalmic Clinics

Clinics are held at the Clinic, Middle Lane, Denbigh, by appointment, and children attend Ophthalmic Clinics held at Denbigh and St. Asaph Hospitals.

Child Guidance Clinics

Clinics are held as follows:—
At Bod Difyr, Cefn Road, Colwyn Bay, on Wednesdays and Fridays.
At Gatefield Clinic, King's Mills Road, Wrexham, on Thursdays and by appointment on Fridays.
At Mercier House Clinic, Russell Road, Rhyl, on Mondays.

Chest Clinics

Patients from the Borough attend the Chest Clinic held every Wednesday morning at the Denbigh Infirmary and at the weekly clinics held at the Chest Clinic, Grosvenor Road, Wrexham, and at the Royal Alexandra Hospital, Rhyl.

Family Planning Clinics

Clinics are held as follows:—
At Nant-y-Glyn Clinic, Colwyn Bay, on Mondays between 2.30 p.m. and 3.30 p.m.
At No. 1 Grosvenor Road, Wrexham, on Thursdays between 2 and 4.30 p.m.
At the County Council Clinic, Ffordd Las, Rhyl, on Wednesdays between 7 and 8 p.m.

Infant Welfare Clinics

This clinic is held every Wednesday afternoon between 1.30 and 3.30 p.m. at the Clinic, Middle Lane, and is well attended as can be seen from the following attendance figures.

<i>Year of Birth</i>	<i>First Attendances</i>
1966	102
1965	104
1964/1961	129
Total attendances: Under 1 year	971
1-5 years	295

Welfare Foods are available during the clinic session.

Chiropody Clinic

This clinic is held at the Clinic, Middle Lane, by appointment. Patients are referred to this Clinic by General Practitioners, Health Visitors and District Nurses. A charge of 2/6d. per treatment is made. The number of persons who attended this Clinic during the year was as follows:—

Number on Register	87
Number of sessions held	49
Number of appointments made	252
Number of attendances	190

The above figures include patients from Aled and Ruthin Rural Districts who also attend this Clinic.

Dental Clinics

No clinics were held for the examination and treatment of expectant mothers and toddlers during the year.

School children received treatment when necessary through the School Dental Service.

Nursing Services

The following are the names and addresses of the nursing staff serving the district:—

Health Visitors:

Miss S. C. Evans	} The Clinic, Middle Lane, Denbigh Tel. No. Denbigh 2789
Miss O. M. Hobson	
Miss J. B. Angwin	

Tuberculosis Health Visitor

Miss M. Thomas, 21 Severn Road, Colwyn Bay.
(resigned 31/3/66).

Miss E. Leach Jones, Bryn Cwybr, Rhyl Road, Rhuddlan.
Tel. No. Rhuddlan 372. Commenced duties 1/4/66.

District Nurses

Sister E. A. Price, 73 Vale Street, Denbigh.
Tel. No. Denbigh 2212.

Relief District Nurses

Sister M. Williams, Min-y-Coed, Rhewl. Tel. No. Ruthin 2754.

Sister M. Jones, Annedd Wen, Nantglyn. Tel. No. Nantglyn 225.

Nurse B. Jones, 29 The Green, Trefnant. Tel. No. Denbigh 2310.

School Health Attendant

The School Health Attendant visited the schools in the area for the purpose of routine testing of children's vision and hearing. Children who were found to have defective hearing and/or vision were followed up and referred to a Consultant for further examination where necessary.

The number of children tested during the year was as follows:—

<i>Vision Sweeps</i>		<i>Audiometric Sweeps</i>	
Number of children tested	410	Number of children tested	1,618
Number satisfactory	365	Number satisfactory	1,581
Number of defects	45	Number of defects	37
Number for investigation ...	10	Number for observation ...	11

Domestic Help Service

The number of cases where domestic help was provided was as follows:—

Chronic Sick and T.B.	5
Over 65 years of age	89
Others	2

